

RAW SEQUENCE LISTING

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Application Serial Number: 10/526, 584 A
Source: PCT
Date Processed by STIC: 01/31/2006

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PCT

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DATE: 01/31/2006

PATENT APPLICATION: US/10/526,584A

TIME: 15:53:51

Input Set : A:\Oct05.ST25.txt

Output Set: N:\CRF4\01312006\J526584A.raw

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3 <110> APPLICANT: University of South Florida
4      Mohapatra, Shyam
6 <120> TITLE OF INVENTION: Materials and Methods for Treatment of Allergic Diseases
8 <130> FILE REFERENCE: USF-183XC1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/526,584A
C--> 10 <141> CURRENT FILING DATE: 2005-03-03
10 <150> PRIOR APPLICATION NUMBER: 60/319,529
11 <151> PRIOR FILING DATE: 2002-09-06
13 <150> PRIOR APPLICATION NUMBER: PCT/US2003/028056
14 <151> PRIOR FILING DATE: 2003-09-08
16 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: PatentIn version 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 30
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
27 Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys
28 1          5          10          15
31 Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp
32      20          25          30
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 37
37 <212> TYPE: PRT
38 <213> ORGANISM: Homo sapiens
40 <400> SEQUENCE: 2
42 Glu Val Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly
43 1          5          10          15
46 Ala Ala Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val
47      20          25          30
50 Ser Pro Ala Gln Arg
51      35
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 20
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 3
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62 1          5          10          15
65 Thr Ala Pro Arg
66      20
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 28

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71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 4
76 Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
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80 Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
81          20          25
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85 <211> LENGTH: 28
86 <212> TYPE: PRT
87 <213> ORGANISM: Mus musculus
89 <400> SEQUENCE: 5
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95 Arg Ala Leu Leu Ala Gly Pro Arg Ser Leu Arg Arg
96          20          25
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100 <211> LENGTH: 37
101 <212> TYPE: PRT
102 <213> ORGANISM: Mus musculus
104 <400> SEQUENCE: 6
106 Val Ser Asn Thr Asp Leu Met Asp Phe Lys Asn Leu Leu Asp His Leu
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111          20          25          30
114 Ser Glu Gln Thr Glu
115          35
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119 <211> LENGTH: 151
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123 <400> SEQUENCE: 7
125 Met Ser Ser Phe Ser Thr Thr Thr Val Ser Phe Leu Leu Leu Leu Ala
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129 Phe Gln Leu Leu Gly Gln Thr Arg Ala Asn Pro Met Tyr Asn Ala Val
130          20          25          30
133 Ser Asn Ala Asp Leu Met Asp Phe Lys Asn Leu Leu Asp His Leu Glu
134          35          40          45
137 Glu Lys Met Pro Leu Glu Asp Glu Val Val Pro Pro Gln Val Leu Ser
138          50          55          60
141 Glu Pro Asn Glu Glu Ala Gly Ala Ala Leu Ser Pro Leu Pro Glu Val
142 65          70          75          80
145 Pro Pro Trp Thr Gly Glu Val Ser Pro Ala Gln Arg Asp Gly Gly Ala
146          85          90          95
149 Leu Gly Arg Gly Pro Trp Asp Ser Ser Asp Arg Ser Ala Leu Leu Lys
150          100          105          110
153 Ser Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser
154          115          120          125
157 Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu

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161 Gly Cys Asn Ser Phe Arg Tyr
162 145      150
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166 <211> LENGTH: 35
167 <212> TYPE: DNA
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175 <211> LENGTH: 33
176 <212> TYPE: DNA
177 <213> ORGANISM: Mus musculus
179 <400> SEQUENCE: 9
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184 <211> LENGTH: 33
185 <212> TYPE: DNA
186 <213> ORGANISM: Mus musculus
188 <400> SEQUENCE: 10
189 aatcctaagc ttagtatggg gtccaacaca gat      33
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 41
194 <212> TYPE: DNA
195 <213> ORGANISM: Mus musculus
197 <400> SEQUENCE: 11
198 tgcgaactcg agttactcag tctgctcact cagggcctgc g      41
201 <210> SEQ ID NO: 12
202 <211> LENGTH: 93
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204 <213> ORGANISM: Mus musculus
206 <400> SEQUENCE: 12
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209 ctgctcgtcg gccctcggag cctacgaaga taa      93
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 117
214 <212> TYPE: DNA
215 <213> ORGANISM: Mus musculus
217 <400> SEQUENCE: 13
218 atggtgtcca acacagatct gatggatttc aagaacctgc tagaccacct ggaggagaag      60
220 atgccggtag aagatgaggt catgccccg cagggcctga gtgagcagac tgagtaa      117
223 <210> SEQ ID NO: 14
224 <211> LENGTH: 845
225 <212> TYPE: DNA
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 14
229 tggcgaggga cagacgtagg ccaagagagg ggaaccagag aggaaccaga ggggagagac      60
231 agagcagcaa gcagtggatt gtccttgac gacgccagca tgagctcctt ctccaccacc      120
233 accgtgagct tcctcctttt actggcattc cagctcctag gtcagaccag agctaattcc      180

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235 atgtacaatg ccggtgtccaa cgcagacctg atggattttca agaattttgct ggaccatttg 240
237 gaagaaaaga tgccttttaga agatgaggtc gtgccccac aagtgtcag tgagccgaat 300
239 gaagaagcgg gggctgtctc cagccccctc cctgaggtgc ctccctggac cggggaagtc 360
241 agcccagccc agagagatgg aggtgccctc gggcggggcc cctgggactc ctctgatcga 420
243 tctgccctcc taaaaagcaa gctgagggcg ctgtcactg cccctcggag cctgcggaga 480
245 tccagctgct tcgggggacg gatggacagg attggagccc agagcggact gggctgtaac 540
247 agcttccggg actgaagata acagccaggg aggacaagca gggctgggcc tagggacaga 600
249 ctgcaagagg ctctgtccc ctggggtctc tgctgcattt gtgtcatctt gttgccatgg 660
251 agttgtgata atcccactta agctgcagct tcctgtcaac acttctcaca tcttatgcta 720
253 actgtagata aagtggtttg atggtgactt cctgcctct cccaccccat gcattaaatt 780
255 ttaaggtaga acctcacctg ttactgaaag tggtttgaaa gtgaataaac ttcagcacca 840
257 tggac 845
260 <210> SEQ ID NO: 15
261 <211> LENGTH: 2583
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 15
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268 aggccctgac agctgagcca caaacaaaacc aggggagctg ggcaccagca agcgtcacc 120
270 tctgtttccc cgcacggtac cagcgtcgag gagaaagaat cctgaggcac ggcggtgaga 180
272 taaccaagga ctctttttta ctcttctcac acctttgaag tgggagcctc ttgagtcaaa 240
274 tcagtaagaa tgcggtctct gcagctgagg gtctgggggg ctggtggggc tgcccaaggc 300
276 agagaggggc tgtgacaagc cctgcggatg ataactttaa aagggcattc cctgctggct 360
278 tctcacttgg cagctttatc actgcaagtg acagaatggg gagggttctg tctctcctgc 420
280 gtgcttggag agctgggggg ctataaaaag aggcggcact gggcagctgg gagacaggga 480
282 cagacgtagg ccaagagagg ggaaccagag aggaaccaga ggggagagac agagcagcaa 540
284 gcagtggatt gctccttgac gacgccagca tgagctcctt ctccaccacc accgtgagct 600
286 tcctcctttt actggcattc cagctcctag gtcagaccag agctaattcc atgtacaatg 660
288 ccgtgtccaa cgcagacctg atggattttca aggtaggggc aggaaagcgg gtgcagtctg 720
290 gggccagggg gctttctgat gctgtgctca ctctcttga tttcctccaa gtcagtgagg 780
292 tttatccctt tcctgtatt ttcttttct aaagaatttg ctggaccatt tggaagaaaa 840
294 gatgccttta gaagatgagg tcgtgcccc acaagtgtc agtgagccga atgaagaagc 900
296 gggggctgct ctacgcccc tcctgaggt gcctccctgg accggggaag tcagcccagc 960
298 ccagagagat ggaggtgccc tcgggcgggg ccctgggac tcctctgatc gatctgccct 1020
300 cctaaaaagc aagctgaggg cgctgtcac tgcccctcg agcctgcgga gatccagctg 1080
302 cttcgggggc aggatggaca ggattggagc ccagagcgga ctgggctgta acagcttccg 1140
304 ggtaagagga actggggatg gaaatgggat gggatggaca ctactgggag acaccttcag 1200
306 caggaaaggg accaatgcag aagctcattc cctctcaagt ttctgcccc aaccccagag 1260
308 tgccccatgg gtgtcaggac atgccatcta ttgtccttag ctagtctgct gagaaaatgc 1320
310 ttaaaaaaaa aagggggggg gctgggcacg gtgcgcacgc ctgtaatccc agcactttgg 1380
312 gaggccaggc agcggatcat gaggtcaaga gatcaagact atcctggcca acatggtgaa 1440
314 accccagctc tactaaaaat acaaaaatta gctgggtgtg tggcgggcac ctgtactctc 1500
316 agctacttgg gaggtgagg caggagaatc acttgaaccc aggaggcaga ggttgagtg 1560
318 agcagagatc acgccactgc agtccagcct aggtgataga gcgagactgt ctcaaaaaa 1620
320 aaaaaaaaag gccaggcgcg gtggctcacg cctgtaatcc cagcgttttg ggaggccaag 1680
322 gcgggtggat cacgaggtca ggagatggag accatcctgg ctaacacggg gaaaccccg 1740
324 ctctactaaa aatacaaaaa attagccagg cgtggtggca ggcgcctgta agtcctagct 1800
326 actccggagg ctgaggcagg agaatggcgt gaacccggga ggcggagctt gcagtgagca 1860
328 gagatggcac cactgcactc cagcctgggc gacagagcaa gactccgtct caaaaaaaaa 1920

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330 aaaaaaaaaa gcaactgccca ctagcactgg gaaattaaata tattcataga gccaaagttaa 1980
332 ctttgcacgg ctgattagca gttcatattc ctccccagaa ttgcaagatc ctgaagggcct 2040
334 taagtgaat ttactctgat gagtaacttg cttatcaatt catgaagctc agaggggtcat 2100
336 caggctgggg tggggggccgg tgggaagcag gtggtcagta atcaagttca gaggatgggc 2160
338 acactcatatc atgaagctga cttttccagg acagccaggc caccaagcca gatatgtctg 2220
340 tgttctcttt gcagtactga agataacagc cagggaggac aagcagggcct gggcctaggg 2280
342 acagactgca agaggctcct gtccccctggg gtctctgctg catttggtgc atcttggtgc 2340
344 catggagttg tgatcatccc atctaagctg cagcttctcg tcaacacttc tcacatctta 2400
346 tgctaactgt agataaagtg gtttgatggt gacttctcg cctctcccac cccatgcatt 2460
348 aaattttaag gtagaacctc acctgttact gaaagtgggt tgaaagtga taaacttcag 2520
350 caccatggac agaagacaaa tgccctgcgtt ggtgtgcttt ctttcttctt gggaagagaa 2580
352 ttc 2583

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355 <210> SEQ ID NO: 16

356 <211> LENGTH: 152

357 <212> TYPE: PRT

358 <213> ORGANISM: Mus musculus

360 <400> SEQUENCE: 16

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363 1 5 10 15
366 Trp Leu Pro Gly His Ile Gly Ala Asn Pro Val Tyr Ser Ala Val Ser
367 20 25 30
370 Asn Thr Asp Leu Met Asp Phe Lys Asn Leu Leu Asp His Leu Glu Glu
371 35 40 45
374 Lys Met Pro Val Glu Asp Glu Val Met Pro Pro Gln Ala Leu Ser Glu
375 50 55 60
378 Gln Thr Glu Glu Ala Gly Ala Ala Leu Ser Ser Leu Pro Glu Val Pro
379 65 70 75 80
382 Pro Trp Thr Gly Glu Val Asn Pro Pro Leu Arg Asp Gly Ser Ala Leu
383 85 90 95
386 Gly Arg Ser Pro Trp Asp Pro Ser Asp Arg Ser Ala Leu Leu Lys Ser
387 100 105 110
390 Lys Leu Arg Ala Leu Leu Ala Gly Pro Arg Ser Leu Arg Arg Ser Ser
391 115 120 125
394 Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
395 130 135 140
398 Cys Asn Ser Phe Arg Tyr Arg Arg
399 145 150

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403 <211> LENGTH: 878

404 <212> TYPE: DNA

405 <213> ORGANISM: Mus musculus

407 <400> SEQUENCE: 17

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410 gtgccccgac ccacgccagc atgggctcct tctccatcac cctgggcttc ttcctcgtct 120
412 tggccttttg gcttccaggc catattggag caaatcctgt gtacagtgcg gtgtccaaca 180
414 cagatctgat ggatttcaag aacctgctag accacctgga ggagaagatg ccggtagaag 240
416 atgagggtcat gccccgcag gccctgagtg agcagactga ggaagcaggg gccgcactta 300
418 gctccctccc cgagggtgct ccttgagctg gggagggtcaa cccacctctg agagacggca 360
420 gtgctctagg gcgcagcccc tgggaccctt ccgatagatc tgccctcttg aaaagcaaac 420

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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date